PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Dhruv ARORA	02/08/2011
Ronald Marshall BASS	02/08/2011
Graham Patrick BRADFORD	02/15/2011
David Booth BURNS	02/08/2011
Eric Abreu GESUALDI	02/03/2011
Scott Vinh NGUYEN	01/13/2011
Edward Everett de ST. REMEY	02/02/2011
Stephen Taylor THOMPSON	02/18/2011

RECEIVING PARTY DATA

Name:	Shell Oil Company
Street Address:	P.O. Box 2463
Internal Address:	Intellectual Property
City:	HOUSTON
State/Country:	TEXAS
Postal Code:	77252-2463

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12901257

CORRESPONDENCE DATA

Fax Number: (713)241-6617

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

7132415581 Phone:

Email: ana.almaguer@shell.com Correspondent Name: SHELL OIL COMPANY

Address Line 1: P O BOX 2463 Address Line 2: Intellectual Property

PATENT REEL: 025837 FRAME: 0585

501444205

Address Line 4: HOUSTON, TEXAS 772522463	
ATTORNEY DOCKET NUMBER:	TH4104 US
NAME OF SUBMITTER:	Ana M. Almaguer
Total Attachments: 14 source=TH4104Assignment#page1.tif source=TH4104Assignment#page2.tif source=TH4104Assignment#page3.tif source=TH4104Assignment#page4.tif source=TH4104Assignment#page5.tif source=TH4104Assignment#page6.tif source=TH4104Assignment#page7.tif source=TH4104Assignment#page8.tif source=TH4104Assignment#page9.tif source=TH4104Assignment#page10.tif source=TH4104Assignment#page11.tif source=TH4104Assignment#page12.tif source=TH4104Assignment#page13.tif source=TH4104Assignment#page13.tif source=TH4104Assignment#page14.tif	

ASSIGNMENT

WHEREAS, we, Dhruv ARORA, Ronald Marshall BASS, Graham Patrick BRADFORD, David Booth BURNS, Eric Abreu GESUALDI, Scott Vinh NGUYEN, Edward Everett de St. REMEY and Stephen Taylor THOMPSON, have made a certain improvement in METHODS FOR ASSESSING A TEMPERATURE IN A SUBSURFACE FORMATION for which application papers for United States Patent thereon, identified as TH4104 (US), have been executed by us, and,

WHEREAS, SHELL OIL COMPANY, a Delaware Corporation, has equitable rights in and to this invention and desires to confirm such rights and to acquire all right, title and interest in and to said invention;

NOW THEREFORE, for valuable consideration received, we hereby sell, assign, and transfer to said SHELL OIL COMPANY, its successors and assigns, all right, title and interest in and to said invention in the United States and in all other countries throughout the world; including without limitation those in and to the above-named application and any continuation, substitute or division application thereof and the patent or patents which may be issued thereon in the United States and any reissue of any such patent, and those in and to any application or patent or utility model in any and all such other countries of the world, and further including the right to file further applications in all countries throughout the world in the name of SHELL OIL COMPANY or whomsoever that company may nominate, and to claim the priority of the above-named United States application under the International Convention of Paris of 1883.

With respect to any country where for the filing of such an application and/or the transfer of priority rights a separate deed of sale, assignment or transfer is required, we will undertake at the request of SHELL OIL COMPANY to execute such separate deed to SHELL OIL COMPANY or to whomsoever that company may nominate.

And we hereby agree that we will upon request execute any instrument which SHELL OIL COMPANY desires to carry this assignment in effect, and perfect the title transferred hereby, or to prosecute any of the above-mentioned United States applications or any foreign application on this invention.

And the Commissioner of Patents of the United States is hereby authorized to issue Letters Patent on said above-named application and on any continuation, substitute or division thereof to SHELL OIL COMPANY.

Witnesses:	Sun J-P 2/84
Dhruv ARORA Feb, 8, 2011 Date	(Witness) 2/8/2 (Witness)
Ronald Marshall BASS Date	(Witness)
Graham Patrick BRADFORD Date David Booth BURNS Date	(Witness) (Witness) (Witness) (Witness) 2/8/2011 (Witness)
Eric Abreu GESUALDI Date	(Witness)
Scott Vinh NGUYEN	(Witness)
Date Edward Everett de St. REMEY	(Witness)
Date	(Witness)
Stephen Taylor THOMPSON	(Witness)
Date usassign.dot	(Witness)

ASSIGNMENT

WHEREAS, we, Dhruv ARORA, Ronald Marshall BASS, Graham Patrick BRADFORD, David Booth BURNS, Eric Abreu GESUALDI, Scott Vinh NGUYEN, Edward Everett de St. REMEY and Stephen Taylor THOMPSON, have made a certain improvement in METHODS FOR ASSESSING A TEMPERATURE IN A SUBSURFACE FORMATION for which application papers for United States Patent thereon, identified as TH4104 (US), have been executed by us, and,

WHEREAS, SHELL OIL COMPANY, a Delaware Corporation, has equitable rights in and to this invention and desires to confirm such rights and to acquire all right, title and interest in and to said invention;

NOW THEREFORE, for valuable consideration received, we hereby sell, assign, and transfer to said SHELL OIL COMPANY, its successors and assigns, all right, title and interest in and to said invention in the United States and in all other countries throughout the world; including without limitation those in and to the above-named application and any continuation, substitute or division application thereof and the patent or patents which may be issued thereon in the United States and any reissue of any such patent, and those in and to any application or patent or utility model in any and all such other countries of the world, and further including the right to file further applications in all countries throughout the world in the name of SHELL OIL COMPANY or whomsoever that company may nominate, and to claim the priority of the above-named United States application under the International Convention of Paris of 1883.

With respect to any country where for the filing of such an application and/or the transfer of priority rights a separate deed of sale, assignment or transfer is required, we will undertake at the request of SHELL OIL COMPANY to execute such separate deed to SHELL OIL COMPANY or to whomsoever that company may nominate.

And we hereby agree that we will upon request execute any instrument which SHELL OIL COMPANY desires to carry this assignment in effect, and perfect the title transferred hereby, or to prosecute any of the above-mentioned United States applications or any foreign application on this invention.

And the Commissioner of Patents of the United States is hereby authorized to issue Letters Patent on said above-named application and on any continuation, substitute or division thereof to SHELL OIL COMPANY.

Witnesses:	
Dhruv ARORA	(Witness)
Date O 11	(Witness)
Ronald Marshall BASS 2/ 9/2011 Date	(Witness)
Graham Patrick BRADFORD	(Witness)
Date	(Witness)
David Booth BURNS	(Witness)
Date	(Witness)
Eric Abreu GESUALDI	(Witness)
Date	(Witness)
Scott Vinh NGUYEN	(Witness)
Date	(Witness)
Edward Everett de St. REMEY	(Wilness)
Date	(Witness)
Stephen Taylor THOMPSON	(Witness)
Date	(Witness)

Date usassign.pot

ASSIGNMENT

WHEREAS, we, Dhruv ARORA, Ronald Marshall BASS, Graham Patrick BRADFORD, David Booth BURNS, Eric Abreu GESUALDI, Scott Vinh NGUYEN, Edward Everett de St. REMEY and Stephen Taylor THOMPSON, have made a certain improvement in METHODS FOR ASSESSING A TEMPERATURE IN A SUBSURFACE FORMATION for which application papers for United States Patent thereon, identified as TH4104 (US), have been executed by us, and,

WHEREAS, SHELL OIL COMPANY, a Delaware Corporation, has equitable rights in and to this invention and desires to confirm such rights and to acquire all right, title and interest in and to said invention;

NOW THEREFORE, for valuable consideration received, we hereby sell, assign, and transfer to said SHELL OIL COMPANY, its successors and assigns, all right, title and interest in and to said invention in the United States and in all other countries throughout the world; including without limitation those in and to the above-named application and any continuation, substitute or division application thereof and the patent or patents which may be issued thereon in the United States and any reissue of any such patent, and those in and to any application or patent or utility model in any and all such other countries of the world, and further including the right to file further applications in all countries throughout the world in the name of SHELL OIL COMPANY or whomsoever that company may nominate, and to claim the priority of the above-named United States application under the International Convention of Paris of 1883.

With respect to any country where for the filling of such an application and/or the transfer of priority rights a separate deed of sale, assignment or transfer is required, we will undertake at the request of SHELL OIL COMPANY to execute such separate deed to SHELL OIL COMPANY or to whomsoever that company may nominate.

And we hereby agree that we will upon request execute any instrument which SHELL OIL COMPANY desires to carry this assignment in effect, and perfect the title transferred hereby, or to prosecute any of the above-mentioned United States applications or any foreign application on this invention.

And the Commissioner of Patents of the United States is hereby authorized to issue Letters Patent on said above-named application and on any continuation, substitute or division thereof to SHELL OIL COMPANY.

IN TESTIMONY WHEREOF, we have hereunto subscribed our names.

USASSIGN.DOT

Witnesses:	
Dhruv ARORA	(Witness)
Date	(Witness)
Ronald Marshall BASS	(Witness)
Date	(Witness)
Sulfan Sulfan Graham Patrick BRADFORD 2-15-11 Date	(Witness) (Witness)
David Booth BURNS	(Witness)
Date	(Witness)
Eric Abreu GESUALDI	(Witness)
Date	(Witness)
Scott Vinh NGUYEN	(Witness)
Date	(Witness)
Edward Everett de St. REMEY	(Witness)
Date	(Witness)
Stephen Taylor THOMPSON	(Witness)
Date usassign.dot	(Witness)

ASSIGNMENT

WHEREAS, we, Dhruv ARORA, Ronald Marshall BASS, Graham Patrick BRADFORD, David Booth BURNS, Eric Abreu GESUALDI, Scott Vinh NGUYEN, Edward Everett de St. REMEY and Stephen Taylor THOMPSON, have made a certain improvement in METHODS FOR ASSESSING A TEMPERATURE IN A SUBSURFACE FORMATION for which application papers for United States Patent thereon, identified as TH4104 (US), have been executed by us, and,

WHEREAS, SHELL OIL COMPANY, a Delaware Corporation, has equitable rights in and to this invention and desires to confirm such rights and to acquire all right, title and interest in and to said invention;

NOW THEREFORE, for valuable consideration received, we hereby sell, assign, and transfer to said SHELL OIL COMPANY, its successors and assigns, all right, title and interest in and to said invention in the United States and in all other countries throughout the world; including without limitation those in and to the above-named application and any continuation, substitute or division application thereof and the patent or patents which may be issued thereon in the United States and any reissue of any such patent, and those in and to any application or patent or utility model in any and all such other countries of the world, and further including the right to file further applications in all countries throughout the world in the name of SHELL OIL COMPANY or whomsoever that company may nominate, and to claim the priority of the above-named United States application under the International Convention of Paris of 1883.

With respect to any country where for the filing of such an application and/or the transfer of priority rights a separate deed of sale, assignment or transfer is required, we will undertake at the request of SHELL OIL COMPANY to execute such separate deed to SHELL OIL COMPANY or to whomsoever that company may nominate.

And we hereby agree that we will upon request execute any instrument which SHELL OIL COMPANY desires to carry this assignment in effect, and perfect the title transferred hereby, or to prosecute any of the above-mentioned United States applications or any foreign application on this invention.

And the Commissioner of Patents of the United States is hereby authorized to issue Letters Patent on said above-named application and on any continuation, substitute or division thereof to SHELL OIL COMPANY.

IN TESTIMONY WHEREOF, we have hereunto subscribed our names.

ate	(82011) 44)	
tephen Taylor THOMPSON	(Witness)	
	(Witness)	
ate		
dward Everett de St. REMEY	(Witness)	
Pate	(Witness)	
Scott Vinh NGUYEN	(Witness)	
Date	(Witness)	<i>/</i> > · · · · · · · · · · · · · · · · · · ·
Eric Abreu GESUALDI 2-3-1\	(Witness)	1
L.H.S		ZD
Date	(Witness)	-
David Booth BURNS	(Witness)	
Date	(Witness)	•
Graham Patrick BRADFORD	(Witness)	
Date	(Witness)	
Ronald Marshall BASS	(Witness)	
Date	(Witness)	
Dhruv ARORA	(Witness)	

ASSIGNMENT

WHEREAS, we, Dhruv ARORA, Ronald Marshall BASS, Graham Patrick BRADFORD, David Booth BURNS, Eric Abreu GESUALDI, Scott Vinh NGUYEN, Edward Everett de St. REMEY and Stephen Taylor THOMPSON, have made a certain improvement in METHODS FOR ASSESSING A TEMPERATURE IN A SUBSURFACE FORMATION for which application papers for United States Patent thereon, identified as TH4104 (US), have been executed by us, and,

WHEREAS, SHELL OIL COMPANY, a Delaware Corporation, has equitable rights in and to this invention and desires to confirm such rights and to acquire all right, title and interest in and to said invention;

NOW THEREFORE, for valuable consideration received, we hereby sell, assign, and transfer to said SHELL OIL COMPANY, its successors and assigns, all right, title and interest in and to said invention in the United States and in all other countries throughout the world; including without limitation those in and to the above-named application and any continuation, substitute or division application thereof and the patent or patents which may be issued thereon in the United States and any reissue of any such patent, and those in and to any application or patent or utility model in any and all such other countries of the world, and further including the right to file further applications in all countries throughout the world in the name of SHELL OIL COMPANY or whomsoever that company may nominate, and to claim the priority of the above-named United States application under the International Convention of Paris of 1883.

With respect to any country where for the filing of such an application and/or the transfer of priority rights a separate deed of sale, assignment or transfer is required, we will undertake at the request of SHELL OIL COMPANY to execute such separate deed to SHELL OIL COMPANY or to whomsoever that company may nominate.

And we hereby agree that we will upon request execute any instrument which SHELL OIL COMPANY desires to carry this assignment in effect, and perfect the title transferred hereby, or to prosecute any of the above-mentioned United States applications or any foreign application on this invention.

And the Commissioner of Patents of the United States is hereby authorized to issue Letters Patent on said above-named application and on any continuation, substitute or division thereof to SHELL OIL COMPANY.

IN TESTIMONY WHEREOF, we have hereunto subscribed our names.

Witnesses:	
Dhruv ARORA	(Witness)
Date	(Witness)
Ronald Marshall BASS	(Witness)
Date	(Witness)
Graham Patrick BRADFORD	(Witness)
Date	(Witness)
David Booth BURNS	(Witness)
Date	(Witness)
Eric Abreu GESUALDI	(Witness)
Date	(Witness)
Scott Vinh NGUYEN	(Witness)
Date	(Witness)
Edward Everett de St. REMEY	(Witness)
Date	(Witness)
Stephen Taylor THOMPSON	(Witness)
Date USASSIGN.DOT	(Witness) PATENT REEL: 025837 FRAME

(Witness) PATENT REEL: 025837 FRAME: 0596

ASSIGNMENT

WHEREAS, we, Dhruv ARORA, Ronald Marshall BASS, Graham Patrick BRADFORD, David Booth BURNS, Eric Abreu GESUALDI, Scott Vinh NGUYEN, Edward Everett de St. REMEY and Stephen Taylor THOMPSON, have made a certain improvement in METHODS FOR ASSESSING A TEMPERATURE IN A SUBSURFACE FORMATION for which application papers for United States Patent thereon, Identified as TH4104 (US), have been executed by us, and,

WHEREAS, SHELL OIL COMPANY, a Delaware Corporation, has equitable rights in and to this invention and desires to confirm such rights and to acquire all right, title and interest in and to said invention;

NOW THEREFORE, for valuable consideration received, we hereby sell, assign, and transfer to said SHELL OIL COMPANY, its successors and assigns, all right, title and interest in and to said invention in the United States and in all other countries throughout the world; including without limitation those in and to the above-named application and any continuation, substitute or division application thereof and the patent or patents which may be issued thereon in the United States and any reissue of any such patent, and those in and to any application or patent or utility model in any and all such other countries of the world, and further including the right to file further applications in all countries throughout the world in the name of SHELL OIL COMPANY or whomsoever that company may nominate, and to claim the priority of the above-named United States application under the International Convention of Paris of 1883.

With respect to any country where for the filling of such an application and/or the transfer of priority rights a separate deed of sale, assignment or transfer is required, we will undertake at the request of SHELL OIL COMPANY to execute such separate deed to SHELL OIL COMPANY or to whomsoever that company may nominate.

And we hereby agree that we will upon request execute any instrument which SHELL OIL COMPANY desires to carry this assignment in effect, and perfect the title transferred hereby, or to prosecute any of the above-mentioned United States applications or any foreign application on this invention.

And the Commissioner of Patents of the United States is hereby authorized to issue Letters Patent on said above-named application and on any continuation, substitute or division thereof to SHELL OIL COMPANY.

Witnesses:	
Dhruv ARORA	(Witness)
Date	(Witness)
Ronald Marshall BASS	(Witness)
Date	(Witness)
Graham Patrick BRADFORD	(Witness)
Date	(Witness)
David Booth BURNS	(Witness)
Date	(Witness)
Eric Abreu GESUALDI	(Witness)
Date	(Witness)
Scott Vinh NGUYEN	(Witness)
Date	(Witness)
Moard Mondt de St. Remey 2- FEB-11 Date	(Witness) (Witness)
Stephen Taylor THOMPSON	(Witness)
Date usassign.dot	(Witness)

<u>ASSIGNMENT</u>

WHEREAS, we, Dhruv ARORA, Ronald Marshall BASS, Graham Patrick BRADFORD, David Booth BURNS, Eric Abreu GESUALDI, Scott Vinh NGUYEN, Edward Everett de St. REMEY and Stephen Taylor THOMPSON, have made a certain improvement in METHODS FOR ASSESSING A TEMPERATURE IN A SUBSURFACE FORMATION for which application papers for United States Patent thereon, Identified as TH4104 (US), have been executed by us, and,

WHEREAS, SHELL OIL COMPANY, a Delaware Corporation, has equitable rights in and to this invention and desires to confirm such rights and to acquire all right, title and interest in and to said invention;

NOW THEREFORE, for valuable consideration received, we hereby sell, assign, and transfer to said SHELL OIL COMPANY, its successors and assigns, all right, title and interest in and to said invention in the United States and in all other countries throughout the world; including without limitation those in and to the above-named application and any continuation, substitute or division application thereof and the patent or patents which may be issued thereon in the United States and any reissue of any such patent, and those in and to any application or patent or utility model in any and all such other countries of the world, and further including the right to file further applications in all countries throughout the world in the name of SHELL OIL COMPANY or whomsoever that company may nominate, and to claim the priority of the above-named United States application under the International Convention of Paris of 1883.

With respect to any country where for the filing of such an application and/or the transfer of priority rights a separate deed of sale, assignment or transfer is required, we will undertake at the request of SHELL OIL COMPANY to execute such separate deed to SHELL OIL COMPANY or to whomsoever that company may nominate.

And we hereby agree that we will upon request execute any instrument which SHELL OIL COMPANY desires to carry this assignment in effect, and perfect the title transferred hereby, or to prosecute any of the above-mentioned United States applications or any foreign application on this invention.

And the Commissioner of Patents of the United States is hereby authorized to issue Letters Patent on said above-named application and on any continuation, substitute or division thereof to SHELL OIL COMPANY.

Witnesses:	
Dhruv ARORA	
DIRUV AROMA	(Witness)
Date	(Witness)
Ronald Marshall BASS	(Witness)
Date	
Date	(Witness)
Graham Patrick BRADFORD	(Witness)
Date	(Witness)
	· ,
David Booth BURNS	(Witness)
· · · · · · · · · · · · · · · · · · ·	
Date	(Witness)
	•
Eric Abreu GESUALDI	(Witness)
Date	(Witness)
	(*************************************
Scott Vinh NGUYEN	(Witness)
Date	(Witness)
Edward Everett de St. REMEY	(Witness)
Date	(Witness)
ATTE	T 0 -
Stephen/Taylor THOMPSON	(Witness)
18 Feb 2011	advant dest R
Date usassign.dot	(Witness)

RECORDED: 02/21/2011